

1.4 Radon 変換  
 $Q \subset \mathbb{P} \times \mathbb{P}^v$  universal hyperplane  
 $1 \in E^v \otimes E \rightarrow \mathcal{O}(1,1) = \text{pr}_1^* \mathcal{O}(1) \otimes \text{pr}_2^* \mathcal{O}(1)$  の零点

$$\begin{aligned} 0 \rightarrow \Omega_{\mathbb{P}}^1 \rightarrow E \otimes \mathcal{O}_{\mathbb{P}}(-1) \rightarrow \mathcal{O}_{\mathbb{P}} \rightarrow 0 \\ \mathbb{P}(T^* \mathbb{P}) \subset \mathbb{P} \times \mathbb{P}^v \\ \cong Q = \mathbb{P}(T^*(\mathbb{P}^v)) \quad \text{Legendre 変換} \end{aligned}$$

$\therefore X \subset \mathbb{P} \quad X \times_{\mathbb{P}} Q = \mathbb{P}(X \times_{\mathbb{P}} T^*(\mathbb{P})) \quad X \times_{\mathbb{P}} T^*(\mathbb{P}) \rightarrow T^*X$

定理  $C = SS \tau$  存在  $\mathbb{P}(C) = E_{\mathbb{P}^v}(\mathbb{P}^* \tau) \subset X \times_{\mathbb{P}} Q$

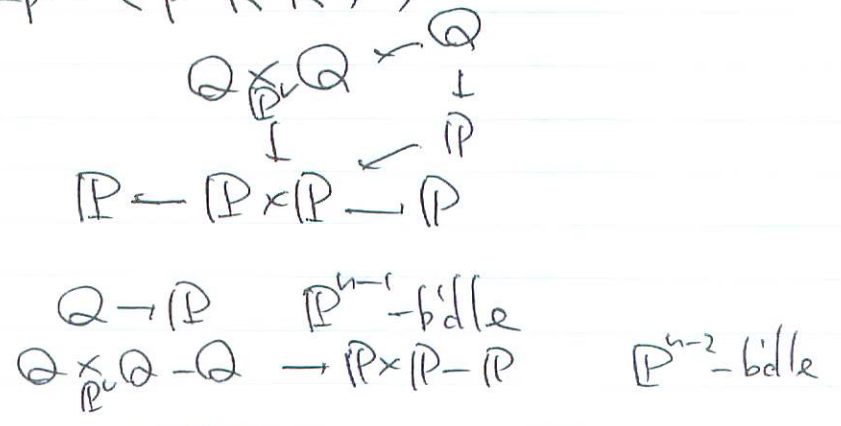
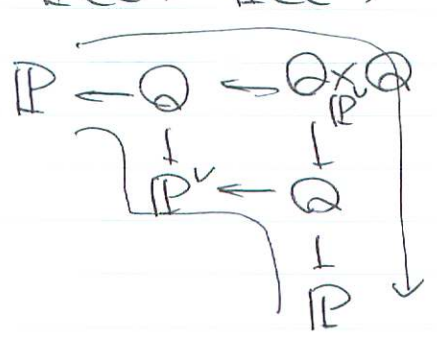
$X = \mathbb{P}$  に帰着.  $X \xrightarrow{i'} V \xrightarrow{j} \mathbb{P}$

$$SS(i_* \tau)|_V = SS(i'_* \tau) = i'_0 SS(\tau) = \tilde{C}$$

Th (Beilinson Th 3.2)  $\mathbb{P}(C) = E_{\mathbb{P}^v}(\mathbb{P}^* R \tau)$

Lemma ( = Lem 3.3)  $C' = SS R \tau$  存在  $\mathbb{P}(C) = \mathbb{P}(C')$

$$\mathbb{P}(C) = \mathbb{P}(C') = E_{\mathbb{P}^v}(\mathbb{P}^* R^v R \tau)$$



$\tau \in R^v R \tau$  の可成は 定数層.

$$E_{\mathbb{P}^v}(\mathbb{P}^* R^v R \tau) = E_{\mathbb{P}^v}(\mathbb{P}^* \tau)$$